

1643

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/367,496

DATE: 05/18/2000
 TIME: 14:37:28

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5 <110> APPLICANT: AGUERA, Michele
 7 BELIN, Marie-Francoise
 9 HONNORAT, Jerome
 11 KOLATTUKUDY, Pappachan
 13 QUACH, Than Tam
 15 BYK, Tamara
 17 SOBEL, Andre
 19 AUNIS, Dominique
 23 <120> TITLE OF INVENTION: USE OF ULIP PROTEINS IN THE DIAGNOSIS AND THERAPY OF
 25 CANCER AND PARANEOPLASTIC NEUROLOGICAL SYMPTOMS
 29 <130> FILE REFERENCE: P06473US0/TPS
 33 <140> CURRENT APPLICATION NUMBER: 09/367,496
 C--> 35 <141> CURRENT FILING DATE: 1999-11-24
 39 <150> PRIOR APPLICATION NUMBER: PCT/FR98/00328
 41 <151> PRIOR FILING DATE: 1998-02-19
 45 <160> NUMBER OF SEQ ID NOS: 8
 49 <170> SOFTWARE: PatentIn Ver. 2.0
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 69 agacatatac atggaagatg ggttgatcaa gcaaatagga gaaaacctga ttgtaccagg 180
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 73 tactcgcttc cagatgcctg accagggaaat gacatccgct gatgacttct tccagggaaac 300
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148 20 25 30
152 Ala Asp Ile Tyr Met Glu Asp Gly Leu Ile Lys Gln Ile Gly Glu Asn
154 35 40 45
158 Leu Ile Val Pro Gly Gly Val Lys Thr Ile Glu Ala His Ser Arg Met
160 50 55 60
164 Val Ile Pro Gly Gly Ile Asp Val His Thr Arg Phe Gln Met Pro Asp
166 65 70 75 80
170 Gln Gly Met Thr Ser Ala Asp Asp Phe Phe Gln Gly Thr Lys Ala Ala
172 85 90 95
176 Leu Ala Gly Gly Thr Thr Met Ile Ile Asp His Val Val Pro Glu Pro
178 100 105 110
182 Gly Thr Ser Leu Leu Ala Ala Phe Asp Gln Trp Arg Glu Trp Ala Asp
184 115 120 125
188 Ser Lys Ser Cys Cys Asp Tyr Ser Leu His Val Asp Ile Thr Glu Trp
190 130 135 140
194 His Lys Gly Ile Gln Glu Glu Met Glu Ala Leu Val Lys Asp His Gly
196 145 150 155 160
200 Val Asn Ser Phe Leu Val Tyr Met Ala Phe Lys Asp Arg Phe Gln Leu
202 165 170 175
206 Thr Asp Ser Gln Ile Tyr Glu Val Leu Ser Val Ile Arg Asp Ile Gly
208 180 185 190
212 Ala Ile Ala Gln Val His Ala Glu Asn Gly Asp Ile Ile Ala Glu Ala
214 195 200 205
218 Gln Gln Arg Ile Leu Asp Leu Gly Ile Thr Gly Pro Glu Gly His Val
220 210 215 220
224 Leu Ser Arg Pro Glu Glu Val Glu Ala Glu Ala Val Asn Arg Ser Ile
226 225 230 235 240
230 Thr Ile Ala Asn Gln Thr Asn Cys Pro Leu Tyr Val Thr Lys Val Met
232 245 250 255
236 Pro Lys Ser Ala Ala Glu Val Ile Ala Gln Ala Arg Lys Lys Gly Thr
238 260 265 270
242 Val Val Tyr Gly Glu Pro Ile Thr Ala Ser Leu Gly Thr Asp Gly Ser
244 275 280 285
248 His Tyr Trp Ser Lys Asn Trp Ala Lys Ala Ala Phe Val Thr Ser
250 290 295 300

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260 Leu Ser Cys Gly Asp Leu Gln Val Thr Gly Ser Ala His Cys Thr Phe
262 325 330 335
266 Asn Thr Ala Gln Lys Ala Val Gly Lys Asp Asn Phe Thr Leu Ile Pro
268 340 345 350
272 Glu Gly Thr Asn Gly Thr Glu Glu Arg Met Ser Val Ile Trp Asp Lys
274 355 360 365
278 Ala Val Val Thr Gly Lys Met Asp Glu Asn Gln Phe Val Ala Val Thr
280 370 375 380
284 Ser Thr Asn Ala Ala Lys Val Phe Asn Leu Tyr Pro Arg Lys Gly Arg
286 385 390 395 400
290 Ile Ser Val Gly Ser Asp Ala Asp Leu Val Ile Trp Asp Pro Asp Ser
292 405 410 415
296 Val Lys Thr Ile Ser Ala Lys Thr His Asn Ser Ala Leu Glu Tyr Asn
298 420 425 430
302 Ile Phe Glu Gly Met Glu Cys Arg Gly Ser Pro Leu Val Val Ile Ser
304 435 440 445
308 Gln Gly Lys Ile Val Leu Glu Asp Gly Thr Leu His Val Thr Glu Gly
310 450 455 460
314 Ser Gly Arg Tyr Ile Pro Arg Lys Pro Phe Pro Asp Phe Val Tyr Lys
316 465 470 475 480
320 Arg Ile Lys Ala Arg Ser Arg Leu Ala Glu Leu Arg Gly Val Pro Arg
322 485 490 495
326 Gly Leu Tyr Asp Gly Pro Val Cys Glu Val Ser Val Thr Pro Lys Thr
328 500 505 510
332 Val Thr Pro Ala Ser Ser Ala Lys Thr Ser Pro Ala Lys Gln Gln Ala
334 515 520 525
338 Pro Pro Val Arg Asn Leu His Gln Ser Gly Phe Ser Leu Ser Gly Ala
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373 gcagcgggtgg gagccgagct tctgtccttt ctttcacccc tcctggcct ttgtcgccgc 180
375 tctcacgagt agcgcggccg ggagagaccc gggtagagcg ccaggcagac gttagtcca 240
377 gcggccgggc ggagggtccc agaggggcca tgtctcatca ggggaagaag agcatcccgc 300
379 acatcaccag tgaccggctc ctcacagag gtggacgcat catcaatgat gaccagtcc 360
381 tctacgccga tgtctacctt gaagatggac tcataaaaca aataggagag aacctgattg 420
383 ttcttggtgg agtgaagacc atcgaggcga atggccgaat ggtcattccc ggtggcattg 480
385 atgtcaacac ttacctgcag aagccctccc agggcatgac ctgggtgat gactttcttc 540
387 agggcactaa agcagcgctg gcaggtgga ccacgatgat cattgaccac gttgttctctg 600

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393 agctggaggt gctggtgcag gacaaaggtg tcaactcctt ccaagctctac atggcgata 780
395 aggacctgta ccagatgtct gacagccagc tgtatgaagc cttcaccttc cttaagggtt 840
397 tgggagctgt gatcttagtc catgcagaaa atggagattt gatagctcag gaacaaaaac 900
399 ggatcctgga gatgggcatc acgggtcccc aggggtcatgc tctgagcaga cccgaggagc 960
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403 acatcaccaa ggtcatgagc aagagtgcag cggacatcat cgcactggcc aggaagaaag 1080
405 gccctcttgt ctcggtgag cccatagccg ccagcctggg aaccgatggc acccactact 1140
407 ggagcaagaa ctgggccaag gcagctgcat ttgtgacttc ccctccctg agcccagacc 1200
409 ccaccactcc tgactacttg acctccttgc tggcctgtgg agacttgagc gtcacaggta 1260
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415 ctactggcaa gatggatgag aaccagtttg tagccgtcac cagcaccac gcagccaaga 1440
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452 <212> TYPE: PRT
454 <213> ORGANISM: Mus musculus
458 <400> SEQUENCE: 4
460 Met Ser His Gln Gly Lys Lys Ser Ile Pro His Ile Thr Ser Asp Arg
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468 20 25 30
472 Ala Asp Val Tyr Leu Glu Asp Gly Leu Ile Lys Gln Ile Gly Glu Asn
474 35 40 45
478 Leu Ile Val Pro Gly Gly Val Lys Thr Ile Glu Ala Asn Gly Arg Met
480 50 55 60
484 Val Ile Pro Gly Gly Ile Asp Val Asn Thr Tyr Leu Gln Lys Pro Ser
486 65 70 75 80
490 Gln Gly Met Thr Ser Ala Asp Asp Phe Phe Gln Gly Thr Lys Ala Ala
492 85 90 95
496 Leu Ala Gly Gly Thr Thr Met Ile Ile Asp His Val Val Pro Glu Pro
498 100 105 110
502 Gly Ser Ser Leu Leu Thr Ser Phe Glu Lys Trp His Glu Ala Ala Asp

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522          165          170          175
526 Ser Asp Ser Gln Leu Tyr Glu Ala Phe Thr Phe Leu Lys Gly Leu Gly
528          180          185          190
532 Ala Val Ile Leu Val His Ala Glu Asn Gly Asp Leu Ile Ala Gln Glu
534          195          200          205
538 Gln Lys Arg Ile Leu Glu Met Gly Ile Thr Gly Pro Glu Gly His Ala
540          210          215          220
544 Leu Ser Arg Pro Glu Glu Leu Glu Ala Glu Ala Val Phe Arg Ala Ile
546 225          230          235          240
550 Ala Ile Ala Gly Arg Ile Asn Cys Pro Val Tyr Ile Thr Lys Val Met
552          245          250          255
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558          260          265          270
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588          340          345          350
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594          355          360          365
598 Ala Val Ala Thr Gly Lys Met Asp Glu Asn Gln Phe Val Ala Val Thr
600          370          375          380
604 Ser Thr Asn Ala Ala Lys Ile Phe Asn Leu Tyr Pro Arg Lys Gly Arg
606 385          390          395          400
610 Ile Ala Val Gly Ser Asp Ala Asp Val Val Ile Trp Asp Pro Asp Lys
612          405          410          415
616 Met Lys Thr Ile Thr Ala Lys Ser His Lys Ser Thr Val Glu Tyr Asn
618          420          425          430
622 Ile Phe Glu Gly Met Glu Cys His Gly Ser Pro Leu Val Val Ile Ser
624          435          440          445
628 Gln Gly Lys Ile Val Phe Glu Asp Gly Asn Ile Ser Val Ser Lys Gly
630          450          455          460
634 Met Gly Arg Phe Ile Pro Arg Lys Pro Phe Pro Glu His Leu Tyr Gln
636 465          470          475          480
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642          485          490          495
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VERIFICATION SUMMARY

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L:35 M:271 C: Current Filing Date differs, Replaced Current Filing Date